

EXHIBIT 61

IN THE UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF OHIO
EASTERN DIVISION

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IN RE: NATIONAL PRESCRIPTION MDL No. 2804  
OPIATE LITIGATION

Case No. 17-md-2804

Judge Dan Aaron

This document relates to: Polster

The County of Cuyahoga v. Purdue  
Pharma L.P., et al.  
Case No. 18-OP-45090

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Videotaped deposition of
THOMAS GILSON, M.D.

30(b)(6)

January 14, 2019

9:07 a.m.

Taken at:

Climaco, Wilcox, Peca & Garofoli
55 Public Square, Suite 1950
Cleveland, Ohio

Renee L. Pellegrino, RPR, CLR

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1 review. So this paper mentions some things from
 2 2013, but I think the gist of the bulk of it is
 3 about the 2012 review that we did in the office.
 4 Q. The paper referring to Exhibit 10,
 5 right?
 6 A. Exhibit 10, yes.
 7 Q. Okay. Fair enough.
 8 The next bullet point there under
 9 the Heroin Epidemic title is "2013 prospective
 10 review of heroin mortality done with ME staff,"
 11 et cetera, et cetera, right?
 12 A. Right. We assembled people within
 13 the room at the ME's office in a committee that
 14 I called together to review that data, and the
 15 goal was -- for example, in law enforcement we
 16 had the sheriffs there, a county officer. He
 17 had a representative who could provide
 18 information to us, partly on arrests but mostly
 19 on incarceration data, because what we were
 20 trying to do in this was to identify
 21 intervention points, and one of the risk factors
 22 for fatal overdose was somebody who was coming
 23 out of incarceration or a treatment facility.
 24 So that was kind of the makeup of this.
 25 Q. So if you go to the next page, we're

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1 talking about a set of 194 overdose fatalities,
 2 right?
 3 A. Right.
 4 Q. And that's 2013, right?
 5 A. Right.
 6 Q. And then if you go three more pages,
 7 it says, "PDR Findings." It looks like that
 8 (indicating).
 9 A. Yes.
 10 Q. It says here 73 percent of heroin
 11 overdose victims had a file with OARRS, right?
 12 A. Right. About three-fourths.
 13 Q. Now, we've also seen that number, 73
 14 percent, in other documents associated with you
 15 or your office. And when we see that, 73
 16 percent of heroin overdoses who had an OARRS
 17 file, that refers to this 2013 data set, right?
 18 A. Right.
 19 MR. BORANIAN: I'm told the phone
 20 isn't working. I'm not sure what to do about
 21 that.
 22 MR. GALLUCCI: I think that's
 23 probably from before when we heard it right
 24 before we took a break.
 25 MR. BORANIAN: Okay. Let's take a

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1 break, but if you could indulge me, don't go
 2 away, Doctor.
 3 THE VIDEOGRAPHER: Off the record at
 4 3:09 p.m.
 5 (Short recess had.)
 6 THE VIDEOGRAPHER: Back on the
 7 record at 3:10 p.m.
 8 BY MR. BORANIAN:
 9 Q. This is Exhibit 12. Oops. I marked
 10 the wrong one. Hang on.
 11 - - - - -
 12 (Thereupon, Gilson Deposition
 13 Exhibit 12, Document Entitled
 14 "Opioid Crisis Response: Examining
 15 Overdose Deaths at Cuyahoga County
 16 Medical Examiner's Office," with
 17 Attached Sheet Bates Numbered
 18 CUYAH_001684555 - Marked
 19 Confidential, was marked for
 20 purposes of identification.)
 21 - - - - -
 22 Q. This is Exhibit 12, Dr. Gilson.
 23 This appears to be a presentation, or maybe a
 24 poster, with your name on it, along with
 25 Dr. Deo. Can you tell us what this is, Doctor?

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1 A. I'm not completely certain, but I
 2 think this was a poster that Dr. Deo, who is a
 3 student at the Case Western School of Public
 4 Health, produced based on research he was doing
 5 at our office.
 6 Q. So it's entitled "Opioid Crisis
 7 Response: Examining Overdose Deaths at Cuyahoga
 8 County Medical Examiner's Office," with a Bates
 9 number noted on the second page as 001684555,
 10 and if you look over at the far right column,
 11 Doctor, it says, "OARRS Data, Fentanyl Overdose
 12 Deaths February 2017," right?
 13 A. Right.
 14 Q. Is this part of the analysis of
 15 fentanyl deaths in connection with OARRS that
 16 you've described before?
 17 A. Yes.
 18 Q. It says, "55 fentanyl overdose
 19 deaths in February 2017," right?
 20 A. That was one of the worst months in
 21 Cuyahoga County, yes.
 22 Q. And the fourth bullet point says
 23 that 41 out of 55 had an OARRS file, right?
 24 A. That's correct.
 25 Q. That's about 80 percent, right?

<p style="text-align: right;">Page 250</p> <p>1 A. Yes.</p> <p>2 Q. Now, you've mentioned earlier in the</p> <p>3 deposition that same number, 80 percent. Is</p> <p>4 this the source for your citation of the 80</p> <p>5 percent figure?</p> <p>6 A. No.</p> <p>7 Q. Okay. Has the medical examiner's</p> <p>8 office done any analysis of fentanyl overdose</p> <p>9 deaths other than what's represented here on</p> <p>10 Exhibit 12?</p> <p>11 A. Yes, we have.</p> <p>12 Q. What is the source of your stated</p> <p>13 opinion that 80 percent of fentanyl deaths have</p> <p>14 a history of prescription medication?</p> <p>15 A. It's this information. I thought</p> <p>16 you said 80 percent of our opioid deaths, heroin</p> <p>17 deaths.</p> <p>18 Q. Maybe I misspoke. I'm sorry,</p> <p>19 Doctor. I haven't looked at the transcript, but</p> <p>20 I think you said earlier today that 80 percent</p> <p>21 of fentanyl deaths have a recent history or a</p> <p>22 history of a prescription drug prescription,</p> <p>23 right?</p> <p>24 A. No. What I said earlier today was</p> <p>25 that approximately 80 percent of the heroin</p>	<p style="text-align: right;">Page 252</p> <p>1 were as short as six months and, at the longest,</p> <p>2 18 months. So I thought that number -- and this</p> <p>3 was one of the reasons I wanted to continue to</p> <p>4 collect the data -- was potentially an</p> <p>5 underestimate.</p> <p>6 When I saw this number, this still</p> <p>7 actually represents, to some extent, a, you</p> <p>8 know, initial period look-back of about two</p> <p>9 years for virtually all of these cases in 2013.</p> <p>10 That was a better look-back period.</p> <p>11 Q. Let me stop you there. When you say</p> <p>12 "this number," which number?</p> <p>13 A. 73 percent.</p> <p>14 Q. Okay. Continue.</p> <p>15 A. Is better data, and that's really</p> <p>16 what we were striving to get to see if we could</p> <p>17 tie the heroin crisis back to opioid pain</p> <p>18 relievers.</p> <p>19 At the time we were collecting this</p> <p>20 data, there was really very little, other than</p> <p>21 anecdotal reports, to say this heroin phase of</p> <p>22 the crisis represented a transition.</p> <p>23 In 2013 substance abuse and mental</p> <p>24 health services published a bulletin, where they</p> <p>25 had gone back and talked to actual heroin users</p>
<p style="text-align: right;">Page 251</p> <p>1 overdose deaths that we had in that phase of the</p> <p>2 crisis had an OARRS file, and that was the 73</p> <p>3 percent that I'm referencing here.</p> <p>4 Q. Okay. So that's where I'm confused</p> <p>5 then. Okay. So what I was seeing for heroin</p> <p>6 deaths is 64 percent based on the 2012</p> <p>7 retrospective data.</p> <p>8 A. Sure.</p> <p>9 Q. I have seen 73 percent based on the</p> <p>10 194 cases in 2013. Doctor, where do you get 80</p> <p>11 percent of heroin-related deaths have an OARRS</p> <p>12 file?</p> <p>13 A. Sure.</p> <p>14 My estimate, if I might say, is that</p> <p>15 we estimated approximately 80 percent of the</p> <p>16 heroin overdose victims had a history of</p> <p>17 receiving prescription pain relievers. I take</p> <p>18 that from this data, the 73 percent. And I'm</p> <p>19 not parsing that for, you know, this is closer</p> <p>20 to what I want.</p> <p>21 The 2012 data, where the 66 percent</p> <p>22 came from, was actually limited in the time of</p> <p>23 look-back because we had delay in getting access</p> <p>24 to OARRS to do the look-back. So some of the</p> <p>25 look-backs we did on heroin overdoses in 2012</p>	<p style="text-align: right;">Page 253</p> <p>1 and said, "How did you get started abusing</p> <p>2 opioids," and that number was 79.5 percent, 80</p> <p>3 percent of those addicts said I started using</p> <p>4 opioid pain relievers. And when they looked the</p> <p>5 other direction, most of the people who were</p> <p>6 abusing opioid pain relievers said no, I never</p> <p>7 started with heroin, I'm abusing this substance.</p> <p>8 So when I saw that number in</p> <p>9 conjunction with this -- and this is again as</p> <p>10 more data is becoming involved -- that's where I</p> <p>11 draw that number of about 80 percent of our</p> <p>12 addicted population come from that transition.</p> <p>13 I can't talk to the people after they died to</p> <p>14 ask them how did you get started, but somebody</p> <p>15 did that, we didn't duplicate that effort, but</p> <p>16 we used this data as a support to that to say,</p> <p>17 listen, almost 80 percent of our overdoses have</p> <p>18 been using prescription opioids, some of them</p> <p>19 with very long track records and, in fact, you</p> <p>20 know, that number is very close to what's being</p> <p>21 quoted from the interviews with the living</p> <p>22 individuals who are abusing heroin currently.</p> <p>23 Q. The 80 percent, then, comes from a</p> <p>24 bulletin that you read, right?</p> <p>25 A. From the substance abuse and mental</p>

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1 health services.
2 Q. Have you reviewed the data upon
3 which they base that bulletin?
4 A. Yes, I did.
5 Q. And what form did that data take?
6 A. They're interviewing heroin addicts,
7 current heroin addicts, with the question that I
8 said, you know, how did you get started abusing
9 opioids, and 80 percent, 79.5 percent said that
10 they had started abusing prescription
11 medications.
12 Q. Did those interviews take into
13 account whether those individuals had a
14 prescription for the opioid that they say they
15 initiated with?
16 A. They talked about non-medical pain
17 reliever use. I do not know that I remember
18 enough detail to say whether they had, in fact,
19 obtained those legally or by diversion.
20 Q. So you can't tell from those data
21 whether the use of prescription opioids was
22 legal or illegal for that population, true?
23 A. I don't remember exactly the -- what
24 that metric was.
25 The other thing I wanted to add --

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1 Q. They didn't ask about that in their
2 survey, did they?
3 A. Pardon?
4 MR. BADALA: Were you done?
5 Q. They didn't ask about that in their
6 survey, did they?
7 A. Could I finish the previous thought,
8 though?
9 Q. Sure.
10 A. The other thing I wanted to add
11 about that study is they did a ten-year
12 look-back. Basically they wouldn't trust the
13 addict's memory beyond ten years, so they were
14 looking back further than we were with our data.
15 So I thought that might have explained some of
16 the smaller discrepancy, the 73 percent versus
17 the 79 percent, but statistically they were very
18 close.
19 Q. In what form was that data provided
20 to you?
21 A. What data was that?
22 Q. The data that supported the bulletin
23 that you reviewed. You said you reviewed the
24 data. In what form was it?
25 A. I reviewed the bulletin. I didn't

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1 go back to review the original research data. I
2 didn't understand you if that was what you were
3 saying.
4 Q. Okay. My question was if you had
5 reviewed the data, so I'll ask again.
6 Did you review the original research
7 data for that bulletin?
8 MR. BADALA: Objection to form.
9 Outside the scope.
10 A. No. I reviewed the bulletin and the
11 methods that were spelled out in it.
12 MR. BADALA: Do you have to take a
13 break or anything?
14 THE WITNESS: Sure. Okay.
15 MR. BADALA: Why don't we take a
16 five-minute break.
17 THE VIDEOGRAPHER: Off the record at
18 3:19 p.m.
19 (Recess had.)
20 THE VIDEOGRAPHER: Back on the
21 record at 3:26 p.m.
22 BY MR. BORANIAN:
23 Q. So, Dr. Gilson, we've been
24 discussing the investigation of diversion and
25 overprescription and the use of the OARRS

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1 database. Has the county made any other uses of
2 the OARRS database beyond what we've already
3 discussed?
4 MR. BADALA: Objection to form.
5 Q. Not just your office, the whole
6 county.
7 A. We're obviously sharing our data at
8 these task forces, including the data that we've
9 gleaned from OARRS -- by "we" in this case, I'm
10 putting on my medical examiner hat -- and
11 impacts that could have on law enforcement,
12 prosecutions, things like that. I can't
13 necessarily quantitate, but the collaborative
14 effort that we created I think with this data
15 and pointing it back towards opioid pain
16 relievers I think is kind of a ripple effect of
17 using the OARRS system.
18 Specifics in terms of using the
19 OARRS system, I'm aware some jurisdictions use
20 it to identify doctors to sign death
21 certificates. We have not done that.
22 Q. Do you know who the OARRS
23 registrants are within the county, people who
24 actually have an OARRS access set of
25 credentials?

<p style="text-align: right;">Page 258</p> <p>1 A. Within the county itself?</p> <p>2 Q. Yes.</p> <p>3 A. As county representatives or just</p> <p>4 the whole county?</p> <p>5 Q. As representatives of the county,</p> <p>6 for example, the sheriff's office or protective</p> <p>7 services or the medical examiner.</p> <p>8 A. I would know that the physicians at</p> <p>9 the county hospital would all have OARRS access</p> <p>10 because that was actually part of an initiative</p> <p>11 in 2015, to have all of the medical</p> <p>12 practitioners have access to OARRS, and then I</p> <p>13 think the pharmacists are similar, that they</p> <p>14 have to have access, so I would think pharmacy</p> <p>15 personnel at our county hospital would have</p> <p>16 that; jail, by extension, as we covered that,</p> <p>17 would have access. And we in the medical</p> <p>18 examiner's office. The sheriff, unless it's</p> <p>19 through a law enforcement, which I'm not aware</p> <p>20 of -- I don't know if they do or do not. Other</p> <p>21 law enforcement agencies I believe do, but</p> <p>22 they're not county representatives.</p> <p>23 Q. Does the county sheriff ever</p> <p>24 directly access the OARRS database?</p> <p>25 A. I do not know. I don't know. As I</p>	<p style="text-align: right;">Page 260</p> <p>1 file system for county investigations of</p> <p>2 overprescribing of medicine?</p> <p>3 A. Again, at our county hospital, with</p> <p>4 the office of opioid affairs that was opened,</p> <p>5 they review prescribing practices with opioid</p> <p>6 pain relievers with the idea of addressing</p> <p>7 apparent overprescribing with practitioners that</p> <p>8 they identify.</p> <p>9 Q. When a physician is under</p> <p>10 investigation for participating in illegal</p> <p>11 diversion, does the county take steps to stop</p> <p>12 the behavior during the investigation?</p> <p>13 A. Are we talking -- I'm a little</p> <p>14 confused -- pill mill scenario or something like</p> <p>15 that or --</p> <p>16 Q. Yeah, any doctor under</p> <p>17 investigation, whether a county employee or</p> <p>18 someone running a pill mill, someone running a</p> <p>19 pain clinic. If that doctor is under</p> <p>20 investigation, does the county take any steps to</p> <p>21 stop the illegal activity while the</p> <p>22 investigation is going on?</p> <p>23 A. I mean, ultimately they would arrest</p> <p>24 them, I guess, if they were founded in the</p> <p>25 evidence collection period. I guess until you</p>
<p style="text-align: right;">Page 259</p> <p>1 said, they have access. They can have access</p> <p>2 through law enforcement.</p> <p>3 Q. So other than your office, are you</p> <p>4 aware of any other county office that makes</p> <p>5 direct access to the OARRS database?</p> <p>6 A. Oh, I'm sorry if I wasn't clear.</p> <p>7 The county hospital has to have that access with</p> <p>8 its practitioners and its pharmacy.</p> <p>9 Q. Anyone else? Any other agencies?</p> <p>10 A. Can I look at the org chart? I</p> <p>11 can't see anybody here I could say with</p> <p>12 certainty has access.</p> <p>13 Q. Is there any database or central</p> <p>14 file system for cases investigating drug</p> <p>15 diversion?</p> <p>16 MR. BADALA: Objection to form.</p> <p>17 A. At the county level or --</p> <p>18 Q. Yes.</p> <p>19 A. Unless it's in the county</p> <p>20 prosecutor's office, I'm not aware of one. I</p> <p>21 know they have a unit who would be investigating</p> <p>22 cases for prosecution, but otherwise, most of</p> <p>23 the investigation of diversion and things like</p> <p>24 that I think would be at a state level.</p> <p>25 Q. Is there any central database or</p>	<p style="text-align: right;">Page 261</p> <p>1 really know that it's a crime --</p> <p>2 Q. Short of arresting somebody, is</p> <p>3 anything done to stop the behavior that is under</p> <p>4 investigation?</p> <p>5 A. If I can go back to the county</p> <p>6 hospital, the example with the office of opioid</p> <p>7 affairs there, yes, they are liaised with --</p> <p>8 through the medical staff and the practices are</p> <p>9 described. And I don't think it's an immediate</p> <p>10 you're doing the wrong thing so much as they</p> <p>11 require an explanation, and if that explanation</p> <p>12 isn't satisfactory, then they're remediated to,</p> <p>13 you know, prescribing practices, maybe</p> <p>14 reacquaintance with CDC prescribing guidelines</p> <p>15 from 2016 or something like that as a basis.</p> <p>16 Q. Now, Doctor, I'm also going to ask</p> <p>17 you about topic number 27, which is "Knowledge</p> <p>18 of and access to data concerning prescription</p> <p>19 opioid manufacturing, prescribing, distribution,</p> <p>20 or dispensing." We've already gone through</p> <p>21 ARCOS and OARRS and a few others. I'm not going</p> <p>22 to repeat that.</p> <p>23 So here's my question, Doctor: Are</p> <p>24 there other databases that the county could use</p> <p>25 to gain information about the manufacturing,</p>

<p style="text-align: right;">Page 306</p> <p>1 they were intending to purchase and what they 2 got. 3 Q. How does the county define an 4 epidemic? 5 MR. BADALA: Objection to form. 6 Outside the scope. 7 A. With the standard definition, which 8 is an elevated prevalence of a disease beyond 9 its baseline in a community. 10 Q. So when you were talking about 11 cocaine and the doubling of deaths between, I 12 think it was -- you said it was 2015 and 2016? 13 A. Right. Yes. 14 Q. So do you consider that doubling a 15 cocaine epidemic? 16 MR. BADALA: Objection to form. 17 Outside the scope. 18 A. No, for the reason that I am -- that 19 I mentioned, which is that when you factor out 20 the opioid contribution to that elevation, it's 21 not at an increased incidence over baseline. 22 Q. Would you consider the number of 23 deaths in 2016 where cocaine was adjudicated and 24 certified as the cause of death, is that a 25 crisis for Cuyahoga County?</p>	<p style="text-align: right;">Page 308</p> <p>1 fentanyl. 2 Q. So before the cocaine doubled 3 between '15 and '16, that previous baseline 4 level of cocaine abuse and death, do you 5 consider -- does the county consider the 2014 6 level of cocaine abuse and use to be a crisis in 7 and of itself? 8 MR. BADALA: Objection to form. 9 Outside the scope. 10 A. It's an area of concern. If you're 11 asking me is it a crisis because it's acutely 12 worsened, the answer to that is no. 13 Q. So my question is if -- well, how 14 many deaths were there in 2014 caused by 15 cocaine? 16 A. I can check. 124. 17 Q. Does Cuyahoga County consider 124 18 deaths to be a crisis? 19 MR. BADALA: Objection to form. 20 A. I'm sorry. You know, we're not 21 turning our back on these folks. All of these 22 things are sad, that these people are dying, and 23 I think, you know, the overshadowing of this 24 crisis by heroin, fentanyl is just more tragic, 25 but if you're asking me are these folks any less</p>
<p style="text-align: right;">Page 307</p> <p>1 MR. BADALA: Objection to form. 2 Outside the scope. 3 A. I mean, we were in the midst of an 4 opioid crisis before that. Certainly there was 5 an acute worsening in 2016 that was driven by -- 6 primarily by fentanyl. That's the position of 7 the county. The fact that cocaine was pulled 8 back up with that, heroin was pulled back up 9 with that doesn't negate the contribution of 10 fentanyl to that part of the crisis. 11 Q. So I'm trying to understand, with 12 respect to cocaine specifically, does the county 13 consider itself to be in the middle of a cocaine 14 crisis? 15 MR. BADALA: Objection to form. 16 Outside the scope. 17 A. We're in the middle of a drug 18 crisis. I mean, is cocaine up from where it 19 was, yes, and I think the strategy is all of the 20 above with the drugs. But if you're asking me 21 is the elevation in cocaine significant relative 22 to the elevation of the opioids, I would say 23 that it's less, because what our data shows in 24 the mortality data is that the elevation in the 25 cocaine is, unfortunately, being pulled up by</p>	<p style="text-align: right;">Page 309</p> <p>1 valuable or something, like no. That's not a 2 position. The county is concerned about all of 3 our citizens, and these 124 folks who died of a 4 cocaine overdose are just as much, you know, 5 missed by their people as the hundreds who died 6 of a fentanyl or heroin overdose. 7 Q. So from the county's perspective, 8 the 124 deaths in 2014, the county would 9 consider those to be a crisis for cocaine? 10 MR. BADALA: Objection to form. 11 Outside the scope. 12 A. I mean, as you use the term 13 "crisis," I think of that in terms of the 14 epidemic, and that is not part of the epidemic, 15 but it's a source of great concern. We don't 16 like to see our citizens die of any drug 17 overdose, but -- maybe we're parsing over words, 18 but, you know, the crisis is really the opioids, 19 it's not the cocaine here, but that doesn't mean 20 that it's not a source of tremendous concern. 21 Q. What did Cuyahoga County do in 2014 22 or the years that followed to address the use 23 and abuse of cocaine that resulted in 124 deaths 24 in 2014? 25 A. The county would have continued its</p>

<p style="text-align: right;">Page 310</p> <p>1 drug treatment services. The county would have 2 made available things like the START program to 3 those parents. It wasn't like we exclusively, 4 you know, excluded them. So we would connect 5 those parents with cocaine issues, with, you 6 know, a mentor in recovery. The county would 7 have responded to separate families where there 8 potentially was an issue that wasn't resolvable 9 with cocaine. I think the county, you know, 10 continued its treatment efforts. Drug court 11 didn't shut cocaine people out. It's just that 12 the docket became much more tilted towards 13 opioids.</p> <p>14 Q. Is that everything you can identify 15 sitting here today the county did in response to 16 the cocaine use and abuse in 2014?</p> <p>17 A. If I can look at our organizational 18 chart again.</p> <p>19 During that time period, around 20 2013, 2014, the sheriff's office instituted 21 strike forces. They were supposed to supplement 22 local law enforcement so that they could address 23 any multitude of issues. So it could have been 24 in part, you know, drug trafficking. Re-entry 25 programs obviously were making efforts to</p>	<p style="text-align: right;">Page 312</p> <p>1 A. Again, you know, with what I've said 2 about crisis, I would say no, it hasn't really 3 escalated to the comparabilities of like being 4 similar to heroin or, especially now, fentanyl.</p> <p>5 Q. Has the county done everything in 6 its power to combat the abuse of the illegal 7 drugs identified in topic 18?</p> <p>8 A. I think the county has made 9 significant investments to do that. I think if 10 you ask me are there more things we wish we 11 could do, we do. But there's -- you know, as 12 much as we can do, I really feel, especially our 13 models of collaboration, cooperation -- they're 14 national models now, and I do feel that this has 15 really been a very exemplary response to this 16 crisis, both this one and the opioid crisis 17 especially.</p> <p>18 Q. You talked earlier in the day about 19 Mexican cartels and China with respect to 20 illicit fentanyl. Do you recall that topic 21 generally?</p> <p>22 A. I remember mentioning China, and I 23 think the person who was asking me at the time 24 mentioned Mexico, and that's part of the story I 25 think as well.</p>
<p style="text-align: right;">Page 311</p> <p>1 reintegrate cocaine addicts. Workforce 2 development. Prosecutions of drug dealers by 3 our county prosecutor. The creation of drug 4 court for the treatment of drug addicts in lieu 5 of incarceration, provision of mental and 6 medical health services in the county jail.</p> <p>7 Q. Does the county --</p> <p>8 A. There's a lot of things --</p> <p>9 Q. I'm sorry.</p> <p>10 A. I'm sorry. I just wanted to sort of 11 close it.</p> <p>12 This problem touches so many levels 13 of our community, and I think, you know, 14 interventions for some of these things are not 15 necessarily just we shut the door on everything 16 except the opioids. We're trying to deal with 17 all of them, and I don't want to say that I 18 could be exhaustive. I think as I run through 19 our org chart, there's a lot of things I can see 20 there.</p> <p>21 Q. From the county's perspective, is 22 the use and abuse of methamphetamine at crisis 23 level?</p> <p>24 MR. BADALA: Objection to form.</p> <p>25 Outside the scope.</p>	<p style="text-align: right;">Page 313</p> <p>1 Q. Do you agree that the importation of 2 heroin and illicit fentanyl from other countries 3 into the county could be considered an act of 4 terrorism?</p> <p>5 MR. BADALA: Objection to form.</p> <p>6 Outside the scope.</p> <p>7 Which topic are we on?</p> <p>8 MR. CARTER: We're on 34.</p> <p>9 MR. BADALA: If you could just 10 indicate that.</p> <p>11 A. I think I made that statement.</p> <p>12 Q. You've made that statement. I'm 13 asking does the county agree with it.</p> <p>14 A. I wouldn't want to necessarily put 15 that as the county's position. It's a personal 16 opinion. I don't know that I have independent 17 confirmation to say that.</p> <p>18 Q. Okay. In terms of the drivers of 19 the rapid increase in mortality in the county 20 from 2010 through to today, do you agree that 21 it's been heroin, illicit fentanyl, fentanyl 22 analogs and cocaine since 2010?</p> <p>23 MR. BADALA: Objection to form.</p> <p>24 A. Sure. I mean, I think that, you 25 know, you can look at this page from Exhibit 13,</p>

<p style="text-align: right;">Page 314</p> <p>1 which goes up to 2012. Here's our crack 2 cocaine. There's our prescription opioids. 3 Here's the heroin phase. And if you want to go 4 back to our own charts and graphs, the fentanyl 5 phase was even worse than the heroin escalation. 6 The analogs of fentanyl that we saw, 7 carfentanil, the elephant tranquilizer, those 8 other drugs, all caused significant rises in 9 mortality, and like the opioid pain relievers, 10 heroin, fentanyl, they are illicit opioids that 11 act on the same mechanism in the brain that the 12 opioid pain relievers do. 13 Q. So I think we're on the same page, 14 but just to be clear then, from 2010 through to 15 today the primary drivers of the increase in 16 mortality in the county have been heroin, 17 illicit fentanyl, fentanyl analogs and cocaine, 18 true? 19 A. Again, I'd have to put the caveat 20 with cocaine that, by itself, it hasn't 21 dramatically changed, and that the changes that 22 we see in cocaine can be reasonably attributed 23 to fentanyl, as can the changes after 2016 with 24 heroin, but heroin, in the time frame you 25 mentioned, is a significant game changer from</p>	<p style="text-align: right;">Page 316</p> <p>1 Q. Do you agree that a diagnosis of 2 addiction is a medical task? 3 MR. BADALA: Objection to form. 4 A. I mean, the addiction has a 5 definition in medicine. 6 Q. And there are physicians who provide 7 medical diagnoses of addiction, correct? 8 MR. BADALA: Objection to form. 9 Outside the scope. 10 A. I don't know if I would say 11 addiction versus substance use or abuse 12 disorder. It's an area of medicine, the 13 terminology of which I am not familiar and I 14 would not think the county would have an opinion 15 on. 16 Q. Do you know whether there are ICD-10 17 codes to define a substance use disorder? 18 MR. BADALA: Objection to form. 19 Outside the scope. 20 A. ICD-10? 21 Q. Yes. 22 A. I don't think the county knows that. 23 I don't know it myself. 24 Q. Do you know what ICD codes refer to 25 generally?</p>
<p style="text-align: right;">Page 315</p> <p>1 2012, 2011 onward. 2 Q. I want to follow up on some 3 questions on topic 19. You talked about the 4 criteria. I'm not going to go through all that 5 again, but I want to focus on the criteria, the 6 third one you identified, people that have been 7 diagnosed with an opioid use disorder, okay? 8 How does the county define an opioid 9 use disorder? 10 A. The county identified that in 11 consultation with experts beyond what I'm 12 prepared to talk about today. 13 Q. So sitting here today, can you give 14 me a scientific or a layperson definition that 15 the county used to define opioid use disorder or 16 did you defer to the experts on that? 17 A. I believe we deferred to the experts 18 on that. 19 Q. Related, does the county have an 20 official working definition of addiction that it 21 used to identify individuals in response to 22 Exhibit A and Exhibit B that are part of 23 Deposition Exhibit 2? 24 A. I'm not aware of a working 25 definition the county has for addiction.</p>	<p style="text-align: right;">Page 317</p> <p>1 A. Sure. Sure do. I do I should say. 2 The county may not, but the International 3 Classification of Diseases. As their agent, I 4 would be able to inform them of that. 5 Q. Do you agree that, from a medical 6 perspective, it's inappropriate to assume a use 7 disorder or an addiction, however you want to 8 use that term -- you would need to look at an 9 individual case, an individual resident story to 10 arrive at a conclusion of a use disorder or 11 addiction, right? 12 MR. BADALA: Objection to form. 13 Outside the scope. 14 A. Yeah. That's a medical diagnosis 15 again and I don't think the county would express 16 anything about the appropriateness of 17 misclassifying that. 18 Q. So the county has never -- well, the 19 county has never used its medical examiner data 20 or any other data set that it creates and 21 assigned classification of a use disorder or an 22 addiction based on looking at that data set, 23 correct? That's nothing the county has ever 24 done before? 25 MR. BADALA: Objection to form.</p>

<p style="text-align: right;">Page 318</p> <p>1 A. The medical examiner data would not 2 arrive at those diagnoses. The alcohol, drug 3 addiction and mental health services of the 4 county would arrive at diagnoses like that. The 5 hospital could arrive at diagnoses like that. 6 Does the county itself, you know, oversee that 7 diagnosis? No. 8 Q. You agree that all use -- substance 9 use disorders can be treated, correct? 10 MR. BADALA: Objection to form. 11 Outside the scope. 12 A. That's a question outside my area of 13 expertise. 14 Q. So you do not know whether the 15 county is able to treat substance use disorders 16 for any substance they might classify? 17 MR. BADALA: Objection to form. 18 Outside the scope. 19 A. As I understood your question, all 20 substance use disorders being treatable, I don't 21 know that that's something that I could say the 22 county has an opinion on. 23 Q. What about, does the county agree 24 that, with appropriate support, all addicted 25 individuals can make a recovery?</p>	<p style="text-align: right;">Page 320</p> <p>1 Q. Are there people who have an opioid 2 use disorder from prescription opioids who do 3 not go on to use illegal narcotics? 4 MR. BADALA: Objection to form. 5 Outside the scope. 6 Which topic are we on? 7 MR. CARTER: Topic 19, "The criteria 8 used to identify individuals who overdosed on, 9 or became addicted to, prescription opioids." 10 MR. BADALA: Objection to form. 11 Outside the scope. 12 A. Now you guys made me lose the 13 question. 14 Q. Sure. 15 The question was, are there people 16 who have an opioid use disorder from 17 prescription opioids who nonetheless do not go 18 on to use illegal narcotics? 19 MR. BADALA: Same objections. 20 A. I think national data would support 21 that and probably local data, that there were 22 people prescribed who did not go on to become 23 addicted. 24 Q. With respect to topic 19, has the 25 county itself vetted or confirmed any individual</p>
<p style="text-align: right;">Page 319</p> <p>1 MR. BADALA: Objection to form. 2 Outside the scope. 3 A. I think the county would like to 4 give all those addicted individuals that 5 opportunity. Whether or not they can recover 6 would be beyond really the scope of the county's 7 ability to predict that. 8 Q. Do you agree that there are a number 9 of people who take prescription opioids and do 10 not develop an opioid use disorder? 11 MR. BADALA: Objection to form. 12 Outside the scope. 13 A. Again, without having a definition 14 of an opioid use disorder, I could only say that 15 the long-term use of opioids would be expected 16 over time to create dependence on them and 17 physical withdrawal symptoms when they were 18 removed. Whether that moves into addiction or 19 not, I couldn't really say. 20 Q. Do you agree there are a number of 21 people who take prescription opioids and never 22 go on to break the law? 23 MR. BADALA: Objection to form. 24 Outside the scope. 25 A. I would sure hope so.</p>	<p style="text-align: right;">Page 321</p> <p>1 diagnosis of an opioid use disorder? 2 A. That information was submitted to 3 the experts for their interpretation. The 4 county did not independently vet those experts. 5 They were referred to our attorneys and they 6 consulted with the experts. 7 Q. In connection with compiling the 8 individuals identified on Exhibit A, did the 9 county conduct any interviews of those 10 individuals? 11 A. We identified claims data with the 12 criteria that I've mentioned, and that was 13 submitted through to our attorneys, and then 14 they conferred with experts and responded to the 15 interrogatories. To my knowledge, the county 16 did not conduct independent interviews after 17 that referral. 18 Q. After that information was referred 19 to the attorneys and the experts, do you know if 20 the attorneys or the experts interviewed the 21 individuals listed on Exhibit 2, sub-Exhibit A? 22 It's the oversized printout. 23 A. It's the big one, right? 24 Q. Yes. 25 MR. BADALA: And I would just</p>